Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

DATA SHEET
FUJITSU CELSIUS R570 WORKSTATION

Datasheet for Red Hat certification

YOUR COMPACT "POWERHOUSE" WORKSTATION

The CELSIUS R series is the dual-processor platform for the mid-range and high-end segment with a great selection of graphics subsystems. Energy efficiency and state-of-the-art microprocessor technology make this compact powerhouse the ideal solution for application areas, such as computer aided design, engineering, mechanical design, simulation, virtual reality, visualization, digital content creation and finance.

PERFORMANCE
Higher productivity
- High performance multi-core processors, hard disk drives and next generation graphics subsystems

ERGONOMICS
Quiet system for a pleasant working environment
- Optimized thermal management, low-noise chassis and silent fans

RELIABILITY
System stability for the complete lifecycle
- High product standards thanks to top-quality components and comprehensive testing in certified in-house laboratories for 24/7 operation

CERTIFICATION OF WORKSTATION APPLICATIONS
Stability, compatibility and performance for the main workstation applications
- Comprehensive support for ISV applications and ease of integration into existing IT networks

EXPANDABILITY
Excellent expandability for future demands
- Increased memory capacities of up to 96 GB

Green IT · 12 CORE PERFORMANCE · PROFESSIONAL GRAPHICS · ISV CERTIFICATION · MULTI DISPLAY SUPPORT · INFORMATION DISPLAY · QUIET RUNNING · RACK MOUNTABLE · 24/7 OPERATION · DYNAMIC USB SECURITY

Windows®. Life without Walls™.
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COMPONENTS

PROCESSOR	Intel® Xeon® processor X5670 (6C, 2.93 GHz, 12 MB, 6.4 GT/s)
	Intel® Xeon® processor X5667 (4C, 3.06 GHz, 12 MB, 6.4 GT/s)
	Intel® Xeon® processor X5660 (6C, 2.80 GHz, 12 MB, 6.4 GT/s)
	Intel® Xeon® processor X5650 (6C, 2.66 GHz, 12 MB, 6.4 GT/s)
	Intel® Xeon® processor X5570 (4C, 2.93 GHz, 8 MB, 6.4 GT/s)
	Intel® Xeon® processor X5560 (4C, 2.8 GHz, 8 MB, 6.4 GT/s)
	Intel® Xeon® processor X5550 (4C, 2.66 GHz, 8 MB, 6.4 GT/s)
	Intel® Xeon® processor L5640 (6C, 2.26 GHz, 12 MB, 5.86 GT/s)
	Intel® Xeon® processor L5630 (4C, 2.13 GHz, 12 MB, 5.86 GT/s)
	Intel® Xeon® processor L5609 (4C, 1.86 GHz, 12 MB, 5.86 GT/s)
	Intel® Xeon® processor L5530 (4C, 2.40 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor L5520 (4C, 2.26 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor L5506 (4C, 2.13 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5640 (4C, 2.66 GHz, 12 MB, 5.86 GT/s)
	Intel® Xeon® processor E5630 (4C, 2.53 GHz, 12 MB, 5.86 GT/s)
	Intel® Xeon® processor E5620 (4C, 2.40 GHz, 12 MB, 5.86 GT/s)
	Intel® Xeon® processor E5540 (4C, 2.53 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor E5530 (4C, 2.4 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor E5520 (4C, 2.26 GHz, 8 MB, 5.86 GT/s)
	Intel® Xeon® processor E5507 (4C, 2.26 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5506 (4C, 2.13 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5504 (4C, 2.0 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5503 (2C, 2.00 GHz, 4 MB, 4.8 GT/s)
	Intel® Xeon® processor E5502 (2C, 1.86 GHz, 4 MB, 4.8 GT/s)
OPERATING SYSTEM	
Operating system optional preinstalled	Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit
Operating system compatible	Genuine Windows® XP Professional x64 Edition Genuine Windows® XP Professional Linux
Operating system notes	Red Hat® certification Novell® certification For some configurations third party drivers are currently not available or configuration restrictions may apply.
MEMORY MODULES	16 GB (1 module(s) 16 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600
	8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600
	4 GB (1 module(s) 4 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600
	4 GB (1 module(s) 4 GB) DDR3, ECC, 1333 MHz, PC3-10600
	2 GB (1 module(s) 2 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600
	2 GB (1 module(s) 2 GB) DDR3, ECC, 1333 MHz, PC3-10600
	1 GB (1 module(s) 1 GB) DDR3, ECC, 1333 MHz, PC3-10600
	1 GB (1 module(s) 1 GB) DDR3, 1333 MHz, PC3-10600

GRAPHICS ADD ON CARDS (OPTIONAL)	Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2x DVI-I
	GPU computing card: NVIDIA® Tesla™ C2050, 3 GB, PCIe x16, 1x DVI-I
	GPU computing card: NVIDIA® Tesla™ C1060, 4 GB, PCIe x16, -
	GPU computing card: 2nd NVIDIA® Tesla™ C2050, 3 GB, PCIe x16, 1x DVI-I
	Ultra-high-end 3D: NVIDIA® Quadro® FX 5800, 4 GB, PCIe x16, 2x DL-DVI-I, DP
	Ultra-high-end 3D: NVIDIA® Quadro® FX 4800, 1.5 GB, PCIe x16, 2x DL-DVI-I, 2x DP
	Ultra-high-end 3D: ATI FirePro™ V7800, PCIe x16, DL-DVI-I, 2x DP
	High-end 3D: NVIDIA® Quadro® FX 3800, 1024 MB, PCIe x16, DL-DVI-I, 2x DP
	High-end 3D: ATI FirePro™ V7750, 1024 MB, PCIe x16, 2x DP, 1x DVI-I
	High-end 3D: ATI FirePro™ V5800, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2x DP
	Midrange 3D: ATI FirePro™ V4800, PCIe x16, DL-DVI-I, 2x DP
	Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2x DL-DVI-I
	Entry 3D: ATI FirePro™ V3800, PCIe x16, DL-DVI-I, DP
	Multi monitor 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2x DP
	Multi monitor 2D: 2nd NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2x DP
	Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP
	Professional 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x16, 2x DP
	Professional 2D: NVIDIA® Quadro® NVS 290, 256 MB, PCIe x16, 2x SL DVI-I
	Professional 2D: NVIDIA® Quadro® NVS 290, 256 MB, PCIe x1, 2x SL DVI-I
HARD DISK DRIVES (INTERNAL)	SSD SATA, 256 GB, 2.5-inch
	SSD SATA, 128 GB, 2.5-inch
	SATA III, 10000 rpm, 600 GB, 3.5-inch internal
	SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 10000 rpm, 150 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 750 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
	HDD SAS, 15000 rpm, 600 GB, 3.5-inch internal
	HDD SAS, 15000 rpm, 450 GB, 3.5-inch
	HDD SAS, 15000 rpm, 300 GB, 3.5-inch
Hard disk notes	2.5-inch drives will be mounted in the 3.5-inch bays One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
DRIVES (OPTIONAL)	Blu-ray Disc™ Triple Writer
	DVD-ROM
	DVD Super Multi
	MultiCard Reader 20in1, 3.5-Inch
INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)	
	WLAN III, 802.11g/Draft-n (Windows only)
	Gigabit Ethernet PCIe x1
	FireWire PCI-Card IEEE1394
	eSATA Interface
	Dual serial card PCI

Base unit	CELSIUS R570-2	CELSIUS R570-2 POWER

MAINBOARD		
Mainboard type	D2628	
Formfactor	extended CEB	
Chipset	Intel® 5520, Intel® 82801JIR ICH10R	
Processor socket	LGA 1366	
Processor quantity maximum	2	
Memory slots	6 (3 per processor)	
Supported capacity RAM (max.)	96 GB	
Memory notes	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32-bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).	
LAN	Built-in 10/100/1000 MBit/s Realtek RTL8111	
Audio codec	Realtek ALC663	
Audio features	High Definition Audio	
I/O CONTROLLER ON BOARD		
Serial ATA total	6	
SATA RAID support	0, 1, 10, 5	
INTERFACES		
Audio: in (rear)	1	
Audio: out (rear)	2	
Front Audio: in	1	
Front Audio: out	1	
Internal speakers	1	
USB 2.0 total	11	
USB front	2	
USB rear	6	
USB internal	3, thereof 1 type A	
Serial (RS-232)	1 (9 pin)	
Mouse / Keyboard (PS/2)	1 / 1	
Ethernet (RJ-45)	1	
Interface Module notes	Anytime USB charge functionality	
DRIVE BAYS		
Drive bays total	7	
3.5-inch internal bays	4	
5.25-inch external bays	3	
SLOTS		
PCI-Express 2.0 x16	2 x (312 mm) full height	
PCI-Express 1.0 x4 (mech. x8)	1 x (312 mm) full height	
PCI-Express 2.0 x4 (mech. x8)	1 x (312 mm) full height	
PCI (32-bit / 33 MHz)	2 x (312 mm) full height	
Graphics brand name		
Graphics notes	For some configurations third party drivers are currently not available or configuration restrictions may apply.	For some configurations third party drivers are currently not available or configuration restrictions may apply.
ELECTRICAL VALUES		
Operating voltage range	100 - 240 V	100 - 240 V
Operating line frequency range	50 - 60 Hz	50 - 60 Hz
Max. output of single power supply	700 W up to 85% efficiency	1000 W up to 85% efficiency
NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)		
Noise emission	According to ISO9296	
Noise Operation mode 4: High load	23 dB(A)	
Idle mode	23 dB(A)	
Office mode	23 dB(A)	
Noise notes / description	depending on configuration	

DIMENSIONS / WEIGHT / ENVIRONMENTAL		
Dimensions (W x D x H)	215 x 522 x 446 mm	
Weight	20 kg	
Weight notes	Actual weight may vary depending on configuration	
Operating ambient temperature	15 - 35°C	
Operating relative humidity	10 - 75 %	
COMPLIANCE		
Product	CELSIUS R570-2	CELSIUS R570-2 POWER
Model	MCS-D2628	MCS-D2628
Germany	GS depending on configuration	GS depending on configuration
Europe	CE	CE
USA/Canada	cCSAus FCC Class B	cCSAus FCC Class B
Global	RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit	RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit
China	CCC	CCC
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
SECURITY		
Physical security	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock Intrusion switch Seal option	
System security	Write protect option for the Flash EPROM Boot protection for floppy disk / CD drive and write protection for floppy disk drive Dynamic USB security for full hardware USB protection Control of all USB interfaces External USB ports can be disabled separately Embedded security (TPM 1.2) - Infineon	
User security	Optional: Access protection via internal SmartCard reader User and supervisor BIOS password Optional: SmartCase Logon+	
ADDITIONAL SOFTWARE		
Additional software (optional)	Drivers & Utilities DVD (DUDVD) Windows® 7 & Vista & XP CyberLink PowerDVD 9 Nero 9 Essentials XL Recovery DVD (Windows® 7) Windows® XP 64 downgrade pack Windows® XP 32 downgrade pack	
MANAGEABILITY		
Manageability features	DeskUpdate Driver management	
Manageability type	DeskView 10.x client management including: DASH 1.1 remote system management	
DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration	
Supported standards	WMI BootP (made4you) PXE WoL (Wake on LAN)	
Manageability link	http://ts.fujitsu.com/manageability	

INPUT DEVICE / COMPONENTS

	Optical USB tilt wheel mouse
Input devices (optional)	Keyboard Optical USB/PS2 tilt wheel mouse Space Explorer USB Space Navigator USB Space Pilot USB

WARRANTY

Standard Warranty	3 years (depending on country)
Service level	On-site Service (depending on country)

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://ts.fujitsu.com/Supportservice

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FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu CELSIUS R570, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu CELSIUS R570, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. http://ts.fujitsu.com/celsius

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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2010-10-25 CE-EN